

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously presented) A noise figure-measuring device comprising;  
an optical spectrum analyzing section for preparing optical spectrum information of signal light from a light source; and  
a noise figure calculating section for calculating, based on the optical spectrum information, a noise figure generated by an optical amplifier, the optical amplifier for amplifying the signal light from the light source at an appointed gain ratio, the appointed gain ratio determined by using a provisional ASE light level from the light source, the optical amplifier preparing an amplified light signal with the noise figure;  
wherein the optical spectrum analyzing section prepares the optical spectrum information of the signal light from the light source and optical spectrum information of the amplified signal light.
2. (Previously presented) The noise figure-measuring device as set forth in Claim 1, wherein the noise figure calculating section multiplies the optical spectrum information of the light signal from the light source by a coefficient to prepare multiplied optical spectrum information, the coefficient calculated by subtracting the provisional ASE light level from a peak value of the amplified light source and dividing a difference by a peak value of the signal light; and  
the noise figure calculating section subtracts the multiplied optical spectrum information from the optical spectrum information of the amplified signal light to prepare subtracted optical spectrum information.

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